



12-06-01

14

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
REQUEST FOR FILING NATIONAL PATENT APPLICATION

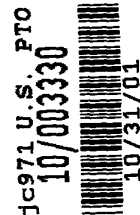
Under 35 USC 111(a) and Rule 53(b)

PATENT APPLICATION

U.S. Patent and Trademark Office
Washington, D.C. 20231

WITH SIGNED DECLARATION

NONPROVISIONAL
NON REISSUE
NON PCT NAT PHASE



Sir:

Herewith is the PATENT APPLICATION of
Inventor(s): James Little, Hiroshi Takatori and Scott Chiu

Title TIMING RECOVERY WITH VARIABLE BANDWIDTH PHASE
LOCKED LOOP AND NON-LINEAR CONTROL PATHS

Atty. Dkt.: PW 024 9738 | P12830
M# Client Ref

Date: October 31, 2001

including:

1. Specification: 21 pages (only spec. and claims)
2. ☐ Specification in non-English language
3. Declaration ☒ Original ☐ Facsimile/Copy ☒ Abstract 1 page(s); 32 numbered claims
4. ☒ Drawings: 5 sheet(s) ☒ informal; ☐ formal of size: ☐ A4 ☒ 11"
5. ☐ See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete corresponding item 5 or 6). (Prior M# SN)
6. **AMEND the specification** please by inserting before the first line: -- This is a ☐ Continuation-in-Part
☐ Divisional ☐ Continuation ☐ Substitute Application (MPEP 201.09) of:
6(a) ☐ National Appln. No. / filed . (M#)
6(b) ☐ International Appln. No. filed which designated the U.S., and that International Application ☐ was ☐ was not published under PCT Article 21(2) in English.--
7. ☐ **AMEND the specification** by inserting before the first line: -- This application claims the benefit of U.S. Provisional Application No. 60/ , filed .--
8. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.
9. ☐ Prior application is assigned to

by Assignment recorded Reel Frame

10. **FOREIGN** priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in (country)
- 11.

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	
(7)		(8)	
(9)		<input type="checkbox"/> See 3 rd page for additional priorities	

12. (No.) Certified copy (copies): ☐ attached; ☐ previously filed (date) in U.S. Application No. / filed on
13. Small entity status → ☒ is **not** claimed; ☐ is claimed (**Pre-filing confirmation required**)
- 13(a). ☐ Attached: (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) not essential to make claim)
- 13(b). ☐ See **NONPUBLICATION REQUEST** under Rule 213(a) attached (PAT-258)

14. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(4)	
(2)		(5)	
(3)		(6)	

15. ☐ This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.

16. ☐ Attached:

17. ☐ Preliminary Amendment:

THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED

				Large/Small Entity		Fee Code
18. Basic Filing Fee				\$740/\$370	\$740	101/201
19. Total Effective Claims	32	minus 20 =	*12	x \$18/\$9 =	+ 216	103/203
20. Independent Claims	4	minus 3 =	*1	x \$84/\$42 =	+ 84	102/202
*If answer is zero or less, enter "0"						
21. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application)				+ \$280/\$140	+ 0	104/204
22.	TOTAL FILING FEE ENCLOSED =				\$1040	
23. If "non-English" box 2 is X'd, add Rule 17(k) processing fee				+ \$130	+ 0	139
24. If "assignment" box 8 is X'd, add recording fee				+ \$40	+ 40	581
25. <input type="checkbox"/> Attached is a Petition/Fee under Rule No.				+ \$130	+ 0	122
26.	TOTAL FEE ENCLOSED =				\$1080	

Our Deposit Account No. 03-3975

Our Order No. 081674 0249738
C# M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

**Pillsbury Winthrop LLP
Intellectual Property Group**

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NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments

PATENT
024 9738

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application
TAKATORI, et al.

Serial No.: Not Assigned

Filed: October 31, 2001

For: TIMING RECOVERY WITH VARIABLE
BANDWIDTH PHASE LOCKED LOOP AND NON-LINEAR
CONTROL PATHS

Group No.: Not Assigned

Examiner: Not Assigned

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. EL 860 912 752 US

Date of Deposit: October 31, 2001

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I hereby certify that

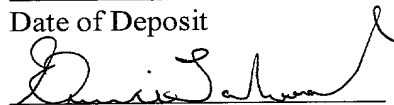
- ☒ Letter of transmittal
- ☒ Patent application (21 pages of specification; 32 claims; 1 pages of abstract)
- ☒ A check in the amount of \$1040.00 to cover the filing fee
- ☒ A Declaration/Power of Attorney
- ☒ 5 sheets of informal drawings
- ☒ Return postcard
- ☒ An Assignment of the invention with cover sheet and \$40.00 recordation fee

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231.

October 31, 2001

Date of Deposit



Ernie Sandoval

TOP SECRET